

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 4312 | (361/20,21,23,91.1,111).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/07 11:07 |
| L2 | 42 | 1 and load near2 dump | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 11:07 |
| S1 | 4 | (("5103124") or ("5285344")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/06 09:43 |
| S2 | 6 | ("3412392" "3796831" "4590533" "4594517" "4611126").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 10:42 |
| S3 | 0 | ("5103124").URPN. | USPAT | OR | ON | 2007/08/06 10:43 |
| S4 | 0 | ("5103124").URPN. | USPAT | OR | ON | 2007/08/06 10:43 |
| S5 | 6 | ("3488560" "4262243" "4268787" "4315204" "5089766").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 10:43 |
| S6 | 7 | ("5285344").URPN. | USPAT | OR | ON | 2007/08/06 10:45 |
| S7 | 3794 | load near2 dump | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 12:16 |
| S8 | 272 | S7 and (cut near3 off cutting near2 off interrupt\$3 near3 power) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 10:48 |

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| S9 | 173 | S7 and (absorb absorbing suppressing suppress suppression clamp clamping) near4 voltage | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 12:17 |
| S10 | 43 | ("3581150" "3599079" "3612982" "3631258" "3663946" "3938005" "4096429" "4340849" "4362982" "4401937" "4453120" "4477766" "4599552" "4623833" "4831322" "5061889" "5089766" "5099189" "5254935" "5319299" "5453901" "5483146" "5497071" "5512813" "5550456" "5719485" "5731689" "5748463" "5754030" "5805394" "5880577" "5936440" "5982154" "5982155" "6037753" "6046917" "6060866" "6208120" "6462517" "6696820" "6803748" "6815933" "RE29475").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 10:54 |
| S11 | 3 | ("5027181" "5302889" "5517379").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 11:23 |
| S12 | 6 | ("5585991").URPN. | USPAT | OR | ON | 2007/08/06 11:23 |
| S13 | 6 | ("5585991").URPN. | USPAT | OR | ON | 2007/08/06 11:24 |
| S14 | 3 | ("5027181" "5302889" "5517379").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 11:24 |
| S15 | 83 | load near2 dump near3 (sensing sensor sensed detect detecting detector detection measure measuring measurement monitor monitoring) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:14 |
| S16 | 8 | S15 and (absorb absorbing suppressing suppress suppression clamp clamping) near4 (transient surge spike) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:22 |
| S17 | 110 | S7 and (absorb absorbing suppressing suppress suppression clamp clamping) near4 (transient surge spike) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 12:58 |

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| S18 | 28 | S15 and (transient surge spike power near2 transient) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 12:23 |
| S19 | 9 | ("4334256" "4484244" "4589049" "4605980" "4698529" "4698720" "4703388" "4710791" "4745450").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 12:25 |
| S20 | 18 | ("4835416").URPN. | USPAT | OR | ON | 2007/08/06 12:25 |
| S21 | 3 | ("4703388" "4835416" "5130883").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 12:27 |
| S22 | 3 | ("6411481").URPN. | USPAT | OR | ON | 2007/08/06 12:35 |
| S23 | 2 | ("5877534").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/06 12:35 |
| S24 | 1 | ("5060037").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 12:36 |
| S25 | 13 | ("5877534").URPN. | USPAT | OR | ON | 2007/08/06 12:37 |
| S26 | 315 | S7 same (transient surge spike) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 12:58 |
| S27 | 276 | S7 same (absorb absorbing suppressing suppress suppression clamp clamping) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 12:58 |
| S28 | 11 | ("4008418" "5019888" "5235489" "5276582" "5333105" "5578960" "5764041" "5804977" "6137338" "6331763" "6509723").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 13:01 |
| S29 | 6 | ("3641424" "3947752" "3968421" "4319179" "4593338" "6137276").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 13:23 |

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| S30 | 62 | S7 with pulse | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 13:23 |
| S31 | 73 | S7 with pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 13:23 |
| S32 | 6 | ("3488560" "4262243" "4268787" "4315204" "5089766").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 13:25 |
| S33 | 7 | ("5285344").URPN. | USPAT | OR | ON | 2007/08/06 13:53 |
| S34 | 118 | S7 and time near4 measur\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 13:56 |
| S35 | 20 | S7 with delay | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 13:57 |
| S36 | 17 | S7 with timer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 13:57 |
| S37 | 6 | ("3852613" "4161759" "4503477" "4573099" "4589049" "4590533"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 13:58 |
| S38 | 3 | ("3955132" "4005342" "4040115"). PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 14:01 |
| S39 | 2 | ("4161759").URPN. | USPAT | OR | ON | 2007/08/06 14:04 |
| S40 | 147 | S7 and time near3 duration | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 14:04 |

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| S41 | 3 | ("4703388" "4835416" "5130883").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 14:21 |
| S42 | 3 | ("6411481").URPN. | USPAT | OR | ON | 2007/08/06 14:40 |
| S43 | 44 | S7 with duration | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 14:40 |
| S44 | 6 | ("3412392" "3796831" "4590533" "4594517" "4611126").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/06 14:42 |
| S45 | 229 | measur\$3 near3 (transient surge spike) near4 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 14:45 |
| S46 | 3695 | measur\$3 near3 (transient surge spike voltage) near4 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 14:45 |
| S47 | 4 | S7 and S46 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 14:46 |
| S48 | 338 | S7 and (time timer delay) near4 (measur\$3 sens\$3 detect\$4 monitor\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/06 14:47 |
| S49 | 0 | load near2 dump and measur\$3 near4 (surge transient) near3 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 08:56 |

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| S50 | 13 | load near2 dump and measur\$3 near4 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:17 |
| S51 | 34 | load near2 dump and measur\$3 near7 duration | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 09:07 |
| S52 | 3 | load near2 dump and duration near6 (surge transient) near3 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:19 |
| S53 | 75 | load near2 dump and duration near6 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:22 |
| S54 | 273 | load near2 dump and timer | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 09:22 |
| S55 | 110 | S54 and (absorb absorbing suppressing suppress suppression clamp clamping) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 09:08 |
| S56 | 0 | ("5103124").URPN. | USPAT | OR | ON | 2007/08/07 07:28 |
| S57 | 0 | ("5103124").URPN. | USPAT | OR | ON | 2007/08/07 07:28 |
| S58 | 8 | ("4703388").URPN. | USPAT | OR | ON | 2007/08/07 07:28 |

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| S59 | 22 | ("3745362" "3979642" "4005342" "4020395" "4305004" "4679112" "4703388" "5083078" "5241295" "5463521" "5748422" "5796567" "5828967" "5962931" "6144110" "6219214" "6288881" "6465996" "6473284" "6538866" "6556401" "6606227").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 07:29 |
| S60 | 2 | ("3789269" "6222341").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 07:30 |
| S61 | 6 | ("6606227").URPN. | USPAT | OR | ON | 2007/08/07 07:31 |
| S62 | 3 | ("6411481").URPN. | USPAT | OR | ON | 2007/08/07 07:38 |
| S63 | 19829 | siemens near2 aktiengesellschaft.as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:39 |
| S64 | 2 | load near2 dump and S63 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:39 |
| S65 | 11 | ("20020024309" "20030001534" "20050132765" "20060294425" "20070029961" "3027505" "6184665" "6559614" "7102320" "7112899").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 07:39 |
| S66 | 0 | overvoltage and measur\$3 near4 (surge transient) near3 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:50 |
| S67 | 200 | overvoltage and measur\$3 near3 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 07:50 |

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| S68 | 3 | load near2 dump and (repeat\$3 continuous continuously) near4 (surge transient high voltage overvoltage) near3 pulse | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 08:20 |
| S69 | 8 | ("4703388").URPN. | USPAT | OR | ON | 2007/08/07 08:20 |
| S70 | 3 | ("4703388" "4835416" "5130883").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 08:47 |
| S71 | 3 | ("6411481").URPN. | USPAT | OR | ON | 2007/08/07 08:47 |
| S72 | 9 | ("4334256" "4484244" "4589049" "4605980" "4698529" "4698720" "4703388" "4710791" "4745450").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 08:53 |
| S73 | 4 | ("3449598" "3626249" "3660719").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 08:54 |
| S74 | 10 | ("3626249").URPN. | USPAT | OR | ON | 2007/08/07 08:56 |
| S75 | 1157 | (361/23).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/07 08:56 |
| S76 | 2 | load near2 dump and S75 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 08:57 |
| S77 | 195 | load near2 dump and duration near4 (pulse time) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 08:57 |
| S78 | 5 | ("5119265" "5130883" "5477675" "5569995" "6650521").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 08:59 |
| S79 | 11 | ("4008418" "5019888" "5235489" "5276582" "5333105" "5578960" "5764041" "5804977" "6137338" "6331763" "6509723").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 09:00 |

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| S80 | 5 | ("4516865" "4667516" "4896245" "4924194" "4937697").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 09:01 |
| S81 | 22 | ("5119265").URPN. | USPAT | OR | ON | 2007/08/07 09:02 |
| S82 | 436 | load near2 dump and (reset reconnect\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 09:08 |
| S83 | 161 | S82 and (absorb absorbing suppressing suppress suppression clamp clamping) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 09:08 |
| S84 | 10 | load near2 dump same overvoltage and voltage near3 (sens\$3 detect\$4 monitor\$3 measur\$3) and (reset reconnect\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 09:32 |
| S85 | 6 | ("3488560" "4262243" "4268787" "4315204" "5089766").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 09:26 |
| S86 | 7 | ("5285344").URPN. | USPAT | OR | ON | 2007/08/07 09:27 |
| S87 | 144 | load near2 dump and voltage near3 (sens\$3 detect\$4 monitor\$3 measur\$3) and (reset reconnect\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/07 09:33 |
| S88 | 3 | ("6157163" "6324086" "6434032").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/07 11:07 |